Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for sequentially outputting full lines of dither values of a dither matrix stored in a memory, comprising the step of:

(a) reading a plurality of dither values of the dither matrix from the memory, commencing at ~~an initial~~ a start position in the memory until a full line of dither values of the dither matrix has been read;

~~(b) outputting the full line of dither values read in step (a) to a buffer memory;~~

(b~~e~~) updating the ~~initial~~ start position to an updated start position in the memory of a subsequent line of dither values;

(c) outputting the full line of dither values to a buffer memory;

~~(d) reading a plurality of dither values from the memory, commencing at the updated start position until the full subsequent line of dither values has been read;~~

~~(e) outputting the full line of dither values read in step (d) to the buffer memory; and~~

(f~~d~~) repeating steps ~~(c) (e)~~(a) - (c) until all lines of dither values of the dither matrix have been read and output to the buffer memory, wherein

after a first iteration of steps (a) - (c), steps (a) and (c) are performed simultaneously.

2. (Currently Amended) A method according to claim 1, wherein a plurality of dither matrices are stored in the memory, and wherein ~~steps (a), (d) and (f) include~~ step (a) includes reading a plurality of dither values from at least two of the dither matrices simultaneously.

3. (Previously Presented) A method according to claim 2, wherein the dither matrices are of different sizes.

4. (Previously Presented) A method according to claim 1, wherein, in repeated step (c), it is determined whether dither values at an end position in the memory have been read, and if so, the updated start position is updated to the initial start position.

5. (Previously Presented) A method according to claim 2, wherein , in repeated step (c), it is determined whether dither values at an end position in the memory have been read for each of the dither matrices, and if so, the updated start position is updated to the initial start position.